10/14/05

Connecting via Winsock to STN

updated

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1612RXD

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2		"Ask CAS" for self-help around the clock
NEWS 3	JUL 20	Powerful new interactive analysis and visualization software, STN AnaVist, now available
NEWS 4	AUG 11	STN AnaVist workshops to be held in North America
NEWS 5	AUG 30	CA/CAplus -Increased access to 19th century research documents
NEWS 6	AUG 30	CASREACT - Enhanced with displayable reaction conditions
NEWS 7	SEP 09	ACD predicted properties enhanced in REGISTRY/ZREGISTRY
NEWS 8	OCT 03	MATHDI removed from STN
NEWS 9	OCT 04	CA/CAplus-Canadian Intellectual Property Office (CIPO) added to core patent offices
NEWS 10	OCT 06	STN AnaVist workshops to be held in North America
NEWS 11	OCT 13	New CAS Information Use Policies Effective October 17, 2005

NEWS EXPRESS JUNE 13 CURRENT WINDOWS VERSION IS V8.0, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 13 JUNE 2005

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 16:42:29 ON 14 OCT 2005

=> file registry

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 16:42:39 ON 14 OCT 2005
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

10616178

10/14/05

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 12 OCT 2005 HIGHEST RN 865114-63-2
DICTIONARY FILE UPDATES: 12 OCT 2005 HIGHEST RN 865114-63-2

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

```
**********************************************************************
*                                                                    *
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added,   *
* effective March 20, 2005.  A new display format, IDERL, is now    *
* available and contains the CA role and document type information. *
*                                                                    *
**********************************************************************
```

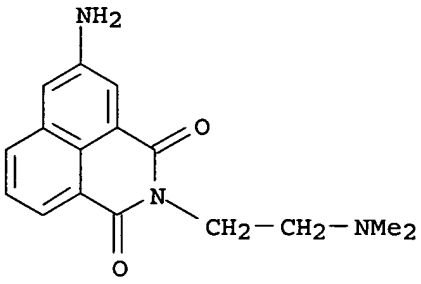
Structure search iteration limits have been increased. See HELP SLIMITS
for details.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

```
=> s amonafide/cn
L1            1 AMONAFIDE/CN

=> d

L1   ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2005 ACS on STN
RN   69408-81-7  REGISTRY
ED   Entered STN:  16 Nov 1984
CN   1H-Benz[de]isoquinoline-1,3(2H)-dione, 5-amino-2-[2-(dimethylamino)ethyl]-
     (9CI)  (CA INDEX NAME)
OTHER NAMES:
CN   Amonafide
CN   FA 142
CN   M-FA 142
CN   MADE-FA 142
CN   Nafidimide
CN   NCI 308847
CN   NSC 308847
FS   3D CONCORD
MF   C16 H17 N3 O2
CI   COM
LC   STN Files:   ADISINSIGHT, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS,
       BIOTECHNO, CA, CANCERLIT, CAPLUS, CASREACT, CIN, DDFU, DRUGU, EMBASE,
       IMSDRUGNEWS, IMSRESEARCH, IPA, MEDLINE, PHAR, PROMT, PROUSDDR, RTECS*,
       SCISEARCH, SYNTHLINE, TOXCENTER, USAN, USPAT2, USPATFULL
```

(*File contains numerically searchable property data)
Other Sources: WHO

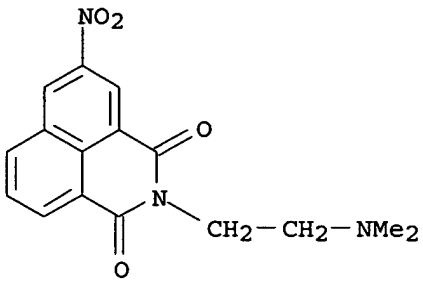


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

100 REFERENCES IN FILE CA (1907 TO DATE)
9 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
100 REFERENCES IN FILE CAPLUS (1907 TO DATE)

```
=> s mitonfide/cn
L2            0 MITONFIDE/CN

=> s mitonafide/cn
L3            1 MITONAFIDE/CN

=> d

L3   ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2005 ACS on STN
RN   54824-17-8  REGISTRY
ED   Entered STN:  16 Nov 1984
CN   1H-Benz[de]isoquinoline-1,3(2H)-dione, 2-[2-(dimethylamino)ethyl]-5-nitro-
     (9CI)  (CA INDEX NAME)
OTHER NAMES:
CN   3-Nitro-N-(2-dimethylaminoethyl)-1,8-naphthalimide
CN   M 4212
CN   M 4212 (pharmaceutical)
CN   Mitonafide
CN   NSC 300288
FS   3D CONCORD
MF   C16 H15 N3 O4
CI   COM
LC   STN Files:   ADISINSIGHT, ADISNEWS, BEILSTEIN*, BIOBUSINESS, BIOSIS,
       BIOTECHNO, CA, CANCERLIT, CAPLUS, CASREACT, DDFU, DRUGU, EMBASE, IFICDB,
       IFIPAT, IFIUDB, IMSRESEARCH, IPA, MEDLINE, PHAR, PROUSDDR, RTECS*,
       SCISEARCH, TOXCENTER, USAN, USPATFULL
         (*File contains numerically searchable property data)
     Other Sources:   WHO
```

10/14/05



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

56 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
56 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file casreact

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	21.35	21.56

FILE 'CASREACT' ENTERED AT 16:47:46 ON 14 OCT 2005
USE IS SUBJECT TO THE TERMS OF YOUR CUSTOMER AGREEMENT

FILE CONTENT:1840 - 9 Oct 2005 VOL 143 ISS 15

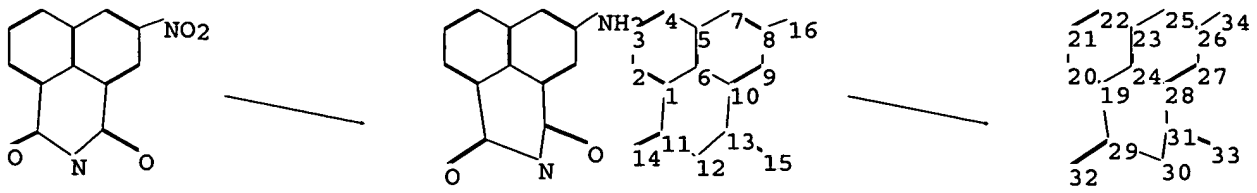
New CAS Information Use Policies, enter HELP USAGETERMS for details.

****
*
* CASREACT now has more than 9.2 million reactions
*
****

Some CASREACT records are derived from the ZIC/VINITI database (1974-1991) provided by InfoChem, INPI data prior to 1986, and Biotransformations database compiled under the direction of Professor Dr. Klaus Kieslich.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=>
Uploading C:\Program Files\Stnexp\Queries\10616178.str

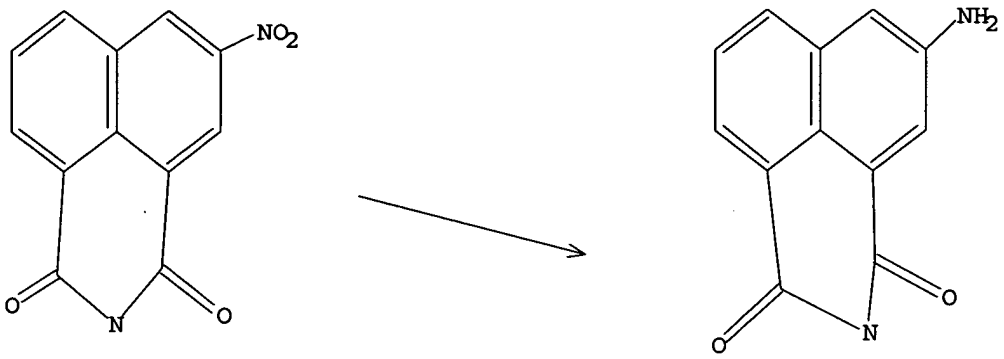


chain nodes :
14 15 16 32 33 34
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 19 20 21 22 23 24 25 26 27 28
29 30 31
chain bonds :
8-16 11-14 13-15 26-34 29-32 31-33
ring bonds :
1-2 1-6 1-11 2-3 3-4 4-5 5-6 5-7 6-10 7-8 8-9 9-10 10-13 11-12 12-13
19-20 19-24 19-29 20-21 21-22 22-23 23-24 23-25 24-28 25-26 26-27 27-28
28-31 29-30 30-31
exact/norm bonds :
1-11 10-13 11-12 11-14 12-13 13-15 19-29 26-34 28-31 29-30 29-32 30-31
31-33
exact bonds :
8-16
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 8-9 9-10 19-20 19-24 20-21 21-22
22-23 23-24 23-25 24-28 25-26 26-27 27-28

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:CLASS 15:CLASS 16:CLASS 19:Atom 20:Atom 21:Atom
22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:Atom 28:Atom 29:Atom 30:Atom
31:Atom 32:CLASS 33:CLASS 34:CLASS
fragments assigned reactant/reagent role:
containing 1

L4 STRUCTURE UPLOADED

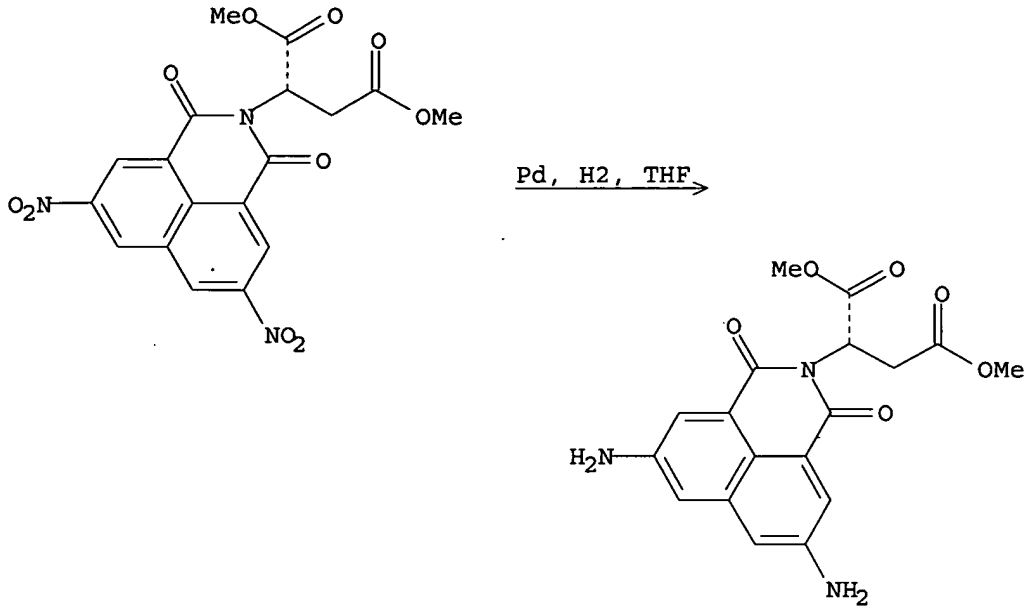
=> d l4
L4 HAS NO ANSWERS
L4 STR



Structure attributes must be viewed using STN Express query preparation.

```
=>  sl4
SL4 IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> s l4
SAMPLE SEARCH INITIATED 16:49:45 FILE 'CASREACT'
SCREENING COMPLETE -      4 REACTIONS TO VERIFY FROM        1 DOCUMENTS

100.0% DONE       4 VERIFIED       1 HIT RXNS                       1 DOCS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED VERIFICATIONS:         4 TO      199
PROJECTED ANSWERS:               1 TO       79

L5            1 SEA SSS SAM L4 (     1 REACTIONS)

=> s l4 ful
FULL SEARCH INITIATED 16:49:51 FILE 'CASREACT'
SCREENING COMPLETE -    103 REACTIONS TO VERIFY FROM       22 DOCUMENTS

100.0% DONE     103 VERIFIED      16 HIT RXNS                      8 DOCS
SEARCH TIME: 00.00.01

L6            8 SEA SSS FUL L4 (    16 REACTIONS)

=> d  1-8

L6   ANSWER 1 OF 8  CASREACT  COPYRIGHT 2005 ACS on STN
```

RX(19) OF 66



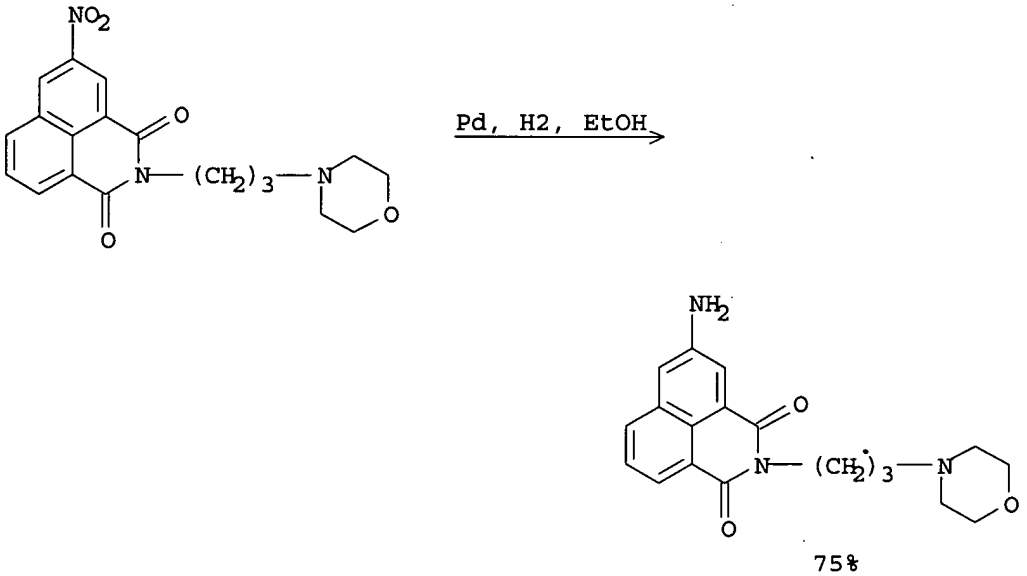
49%

REF: Journal of the American Chemical Society, 127(2), 559-566; 2005

CON: 24 hours, room temperature, 150 psi

L6 ANSWER 2 OF 8 CASREACT COPYRIGHT 2005 ACS on STN

RX(1) OF 27



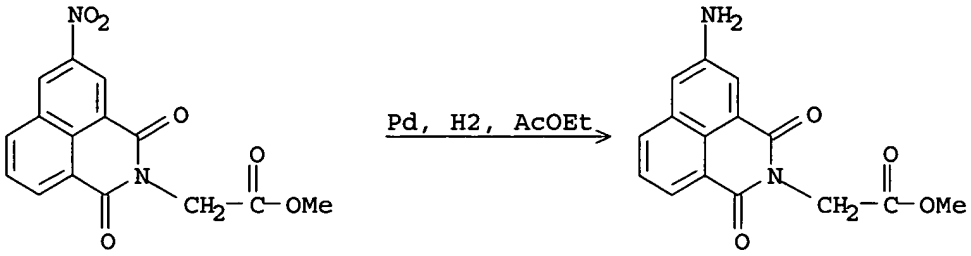
75%

REF: Journal of Heterocyclic Chemistry, 23(3), 849-55; 1986

L6 ANSWER 3 OF 8 CASREACT COPYRIGHT 2005 ACS on STN

10616178

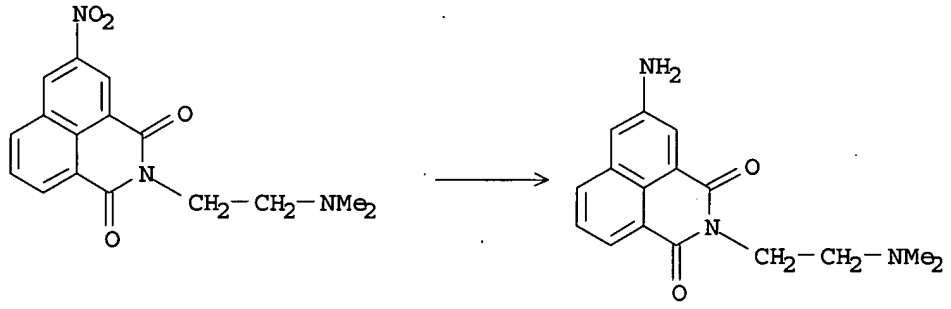
RX(3) OF 23



REF: Journal of Medicinal Chemistry, 29(11), 2384-9; 1986

L6 ANSWER 4 OF 8 CASREACT COPYRIGHT 2005 ACS on STN

RX(34) OF 60

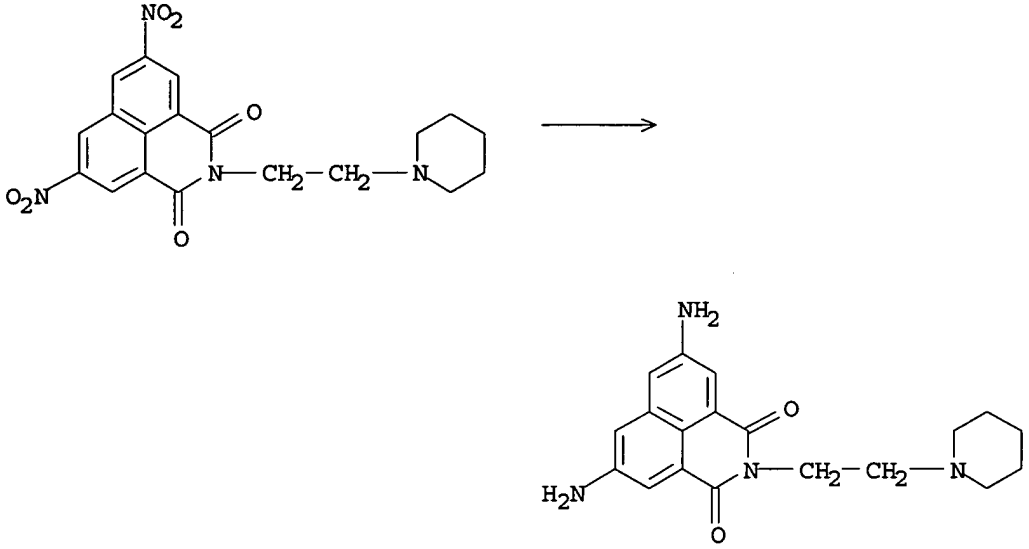


HCl

REF: Journal of Medicinal Chemistry, 28(9), 1216-22; 1985

L6 ANSWER 5 OF 8 CASREACT COPYRIGHT 2005 ACS on STN

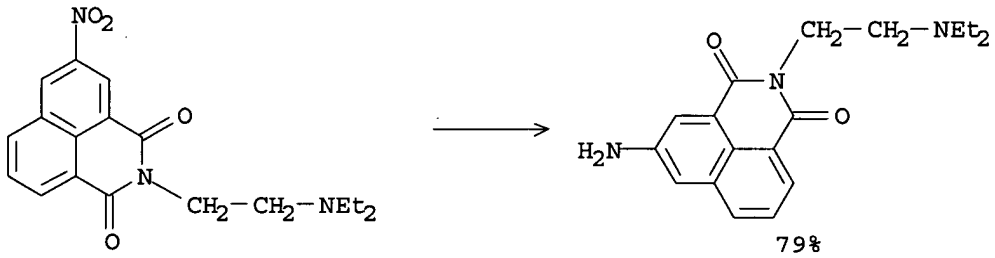
RX(2) OF 2



REF: Eur. Pat. Appl., 125439, 21 Nov 1984

L6 ANSWER 6 OF 8 CASREACT COPYRIGHT 2005 ACS on STN

RX(6) OF 44

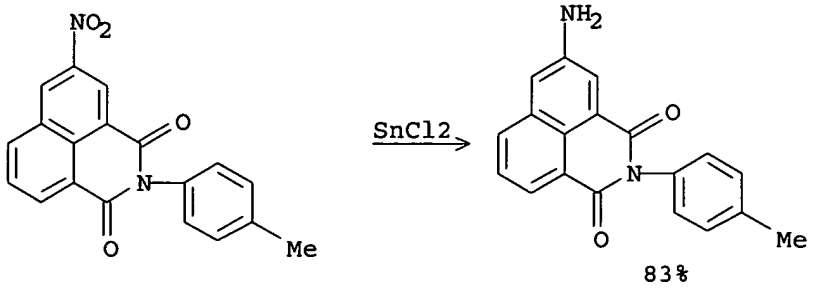


REF: Farmaco, Edizione Scientifica, 37(2), 105-15; 1982

L6 ANSWER 7 OF 8 CASREACT COPYRIGHT 2005 ACS on STN

10/14/05

RX(1) OF 3

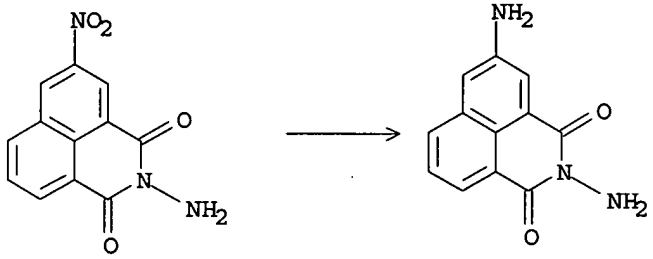


83%

REF: Hoppe-Seyler's Zeitschrift fuer Physiologische Chemie, 358(4), 505-11; 1977

L6 ANSWER 8 OF 8 CASREACT COPYRIGHT 2005 ACS on STN

RX(4) OF 39



70%

REF: Stsintillyatory i Organ. Lyuminofory, (4), 5-15; 1975

```
=> s l5 and  ammonium formate
         12413 AMMONIUM
            11 AMMONIUMS
         12415 AMMONIUM
                 (AMMONIUM OR AMMONIUMS)
          3218 FORMATE
           308 FORMATES
          3302 FORMATE
                 (FORMATE OR FORMATES)
           370 AMMONIUM FORMATE
                 (AMMONIUM(W)FORMATE)
L7           0 L5 AND  AMMONIUM FORMATE

=> d his

     (FILE 'HOME' ENTERED AT 16:42:29 ON 14 OCT 2005)

     FILE 'REGISTRY' ENTERED AT 16:42:39 ON 14 OCT 2005
L1             1 S AMONAFIDE/CN
L2             0 S MITONFIDE/CN
L3             1 S MITONAFIDE/CN

     FILE 'CASREACT' ENTERED AT 16:47:46 ON 14 OCT 2005
```

10/14/05

```
L4              STRUCTURE UPLOADED
L5            1 S L4
L6            8 S L4 FUL
L7            0 S L5 AND  AMMONIUM FORMATE

=> s l6 and ammonium
         12413 AMMONIUM
            11 AMMONIUMS
         12415 AMMONIUM
                 (AMMONIUM OR AMMONIUMS)
L8            0 L6 AND AMMONIUM

=> s l6 and formate
          3218 FORMATE
           308 FORMATES
          3302 FORMATE
                 (FORMATE OR FORMATES)
L9            0 L6 AND FORMATE

=> file registry
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                      ENTRY    SESSION
FULL ESTIMATED COST                                  138.53     160.09

FILE 'REGISTRY' ENTERED AT 16:53:09 ON 14 OCT 2005
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STRUCTURE FILE UPDATES:   12 OCT 2005  HIGHEST RN 865114-63-2
DICTIONARY FILE UPDATES:  12 OCT 2005  HIGHEST RN 865114-63-2

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

*********************************************************************
*                                                                   *
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added,   *
* effective March 20, 2005.  A new display format, IDERL, is now    *
* available and contains the CA role and document type information. *
*                                                                   *
*********************************************************************

Structure search iteration limits have been increased.  See HELP SLIMITS
for details.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html
```

10/14/05

=> file caplus
COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION
FULL ESTIMATED COST | 0.43 | 160.52

FILE 'CAPLUS' ENTERED AT 16:53:14 ON 14 OCT 2005
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 14 Oct 2005 VOL 143 ISS 17
FILE LAST UPDATED: 13 Oct 2005 (20051013/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

http://www.cas.org/infopolicy.html

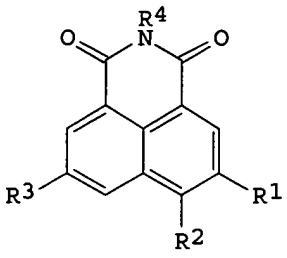
=> s l6
L10 8 L6

=> d abs bib hitstr 1-8

L10 ANSWER 1 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN
AB A series of aromatic compds. were prepared bearing two maleimide groups attached directly to the fluorescent cores. The resulting derivs. do not fluoresce until the maleimide groups undergo their typical thiol addition reaction, thus removing their ability to quench fluorescence, as shown by kinetic and spectral characterization studies. In this way, the title compds. serve as fluorogens capable of detection of small thiols or appropriately sized dithiols. Recombinant α-helical proteins were then designed to bear two cysteine residues capable of regioselective dithiol addition reaction with the dimaleimide fluorogens, thus acting as spatially encoded substrates that form specifically labeled covalent complexes. The efficiency of this in vitro fluorescent protein-labeling reaction demonstrates the feasibility of the development of a method for the fluorescent labeling of specific recombinant proteins.
AN 2004:1086414 CAPLUS
DN **142:218826**
TI Synthesis and Characterization of Dimaleimide Fluorogens Designed for Specific Labeling of Proteins
AU Girouard, Stephane; Houle, Marie-Helene; Grandbois, Alain; Keillor, Jeffrey W.; Michnick, Stephen W.
CS Department of Chemistry, Department of Biochemistry, Universite de Montreal, Montreal, QC, H3C 3J7, Can.
SO Journal of the American Chemical Society (2005), 127(2), 559-566
CODEN: JACSAT; ISSN: 0002-7863
PB American Chemical Society

DT Journal
LA English
OS CASREACT 142:218826
RE.CNT 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

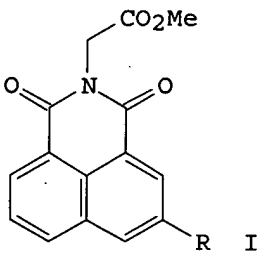
L10 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN
GI



I

AB Title compds. I (R1 = H, NH2, OH, MeO, NO2, NHAc; R2 = H, NH2, NHCH2CH2OH, SBu, R3 = H, NH2; R4 = CH2CH2OH, morpholinopropyl, bromopropyl) have been prepared and their fluorescence yields measured in water at pH 7.4. The type of substituent and the substitution pattern on the naphthalimide nucleus produce markedly different fluorescence yields (quantum efficiencies, .vphi.) varying from .vphi. = 0.0037 for N-(3-morpholinopropyl)-4-amino-3-methoxy-1,8-naphthalimide to .vphi. = 0.77 for N-(3-bromopropyl)-4-acetamido-1,8-naphthalimide.
AN 1987:119668 CAPLUS
DN **106:119668**
TI Synthesis and fluorescence of N-substituted-1,8-naphthalimides
AU Middleton, Richard W.; Parrick, John; Clarke, Eric D.; Wardman, Peter
CS Dep. Chem., Brunel Univ., Uxbridge/Middlesex, UB8 3PH, UK
SO Journal of Heterocyclic Chemistry (1986), 23(3), 849-55
CODEN: JHTCAD; ISSN: 0022-152X
DT Journal
LA English
OS CASREACT 106:119668

L10 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN
GI



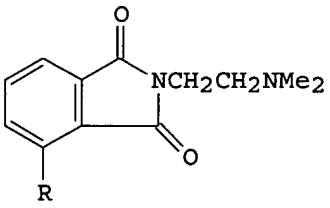
I

AB 5-Isothiocyanatoalrestatin (I; R = NCS) and 5-azidoalrestatin (I; R = N3) were prepd synthetically from 3-nitro-1,8-naphthalic acid anhydride and examined as potential affinity and photoaffinity inhibitors of rat lens

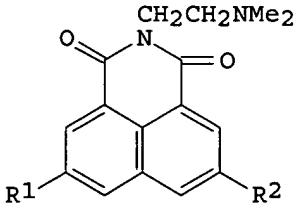
aldose reductase. Both compound I under appropriate conditions at 10-4 M produced a 70% irreversible inactivation of aldose reductase within 1 min. The enzyme could, in part, be protected by preincubation with sorbinil, a known potent inhibitor of aldose reductase.

AN 1987:4841 CAPLUS
DN **106:4841**
TI Synthesis and biological evaluation of irreversible inhibitors of aldose reductase
AU Ares, Jeffrey J.; Kador, Peter F.; Miller, Duane D.
CS Coll. Pharm., Ohio State Univ., Columbus, OH, 43210, USA
SO Journal of Medicinal Chemistry (1986), 29(11), 2384-9
CODEN: JMCMAR; ISSN: 0022-2623
DT Journal
LA English
OS CASREACT 106:4841

L10 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN
GI



I

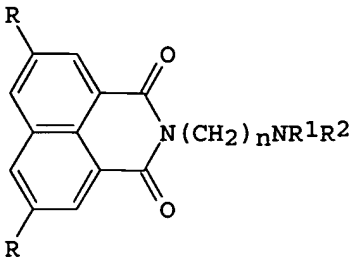


II

AB A wide variety of N-(aminoalkyl) substituted cyclic imides, e.g. I (R = H, NO2, Cl) and II (R1 = H, NO2, R2 = NO2, R1 = R2 = NH2) were prepared usually from the corresponding anhydrides and diamines. Preliminary biol. activity screening indicated N-(dialkylamino)imides of the 3,6-dinitro- and 3,6-diamino-1,8-naphthalic acid system possessed prominent antileukemic and antimelanoma activity in both in vitro and in vivo tumor systems.

AN 1985:487740 CAPLUS
DN **103:87740**
TI N-(Aminoalkyl)imide antineoplastic agents. Synthesis and biological activity
AU Zee-Cheng, Robert K. Y.; Cheng, C. C.
CS Med. Cent., Univ. Kansas, Kansas City, KS, 66103, USA
SO Journal of Medicinal Chemistry (1985), 28(9), 1216-22
CODEN: JMCMAR; ISSN: 0022-2623
DT Journal
LA English
OS CASREACT 103:87740

L10 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN
GI



I

AB The title compds. (I, R = O2N, H2N; R1, R2 = H, alkyl, hydroxyalkyl; NR1R2 = pyrrolidino, morpholino, piperidino; n = 2,3) were prepared Thus, 3,6-dinitro-1,8-naphthalic anhydride in PhMe was treated with N-(2-aminoethyl)piperidine at room temperature 1 h and refluxed azeotropically 1 h to give 73% I (R = O2N, NR1R2 = piperidino, n = 2), which inhibited mouse L1210 leukemia cell growth with an ID50 of 2.9 + 10-7M and at 100 mg/mL gave an inhibition zone diameter of 24 mm with Bacillus subtilis 04555 in the agar-disk diffusion assay.

AN 1985:113325 CAPLUS

DN **102:113325**

TI 3,6-Disubstituted-1,8-naphthalimides

IN Zee-Cheng, Robert Kwang Yuen; Cheng, Chia Chung

PA Warner-Lambert Co. , USA

SO Eur. Pat. Appl., 36 pp.
CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 125439	A2	19841121	EP 1984-103254	19840323
	EP 125439	A3	19851204		
	EP 125439	B1	19900124		
	R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
	US 4499266	A	19850212	US 1983-481122	19830401
	AT 49753	E	19900215	AT 1984-103254	19840323
	JP 60001166	A2	19850107	JP 1984-65035	19840331
	US 4594346	A	19860610	US 1985-693050	19850122
	US 4665071	A	19870512	US 1985-692986	19850122
	US 4614820	A	19860930	US 1986-829468	19860213
PRAI	US 1983-481122	A	19830401		
	US 1984-581594	A	19840221		
	EP 1984-103254	A	19840323		
	US 1985-700343	A1	19850213		

OS CASREACT 102:113325

L10 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN

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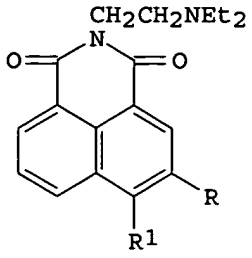

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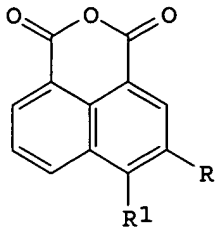

II

AB Title imides I (R = NO2, NH2, NHBu, OH, OMe, Bu; R1 = H, NO2, NH2), which were prepared by different methods, showed local anesthetic activity; some I were prepared from the resp. anhydrides II and H2NCH2CH2NEt2. II (R = NO2, R1 = H) was heated with H2NCH2CH2NEt2 in EtOH to give I (R = NO2, R1 = H).
AN 1982:142671 CAPLUS
DN **96:142671**
TI Synthesis and local anesthetic activity of some N-β-diethylaminoethylnaphthalimides
AU Da Settimo, A.; Primofiore, G.; Livi, O.; Tonetti, I.; Tellini, N.; Bianchini, P.
CS Ist. Chim. Farm., Univ. Pisa, Pisa, Italy
SO Farmaco, Edizione Scientifica (1982), 37(2), 105-15
CODEN: FRPSAX; ISSN: 0430-0920
DT Journal
LA English
OS CASREACT 96:142671

L10 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN
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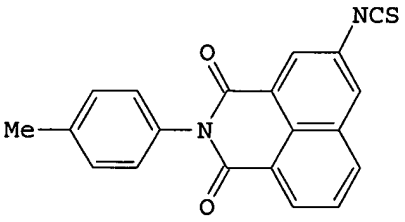

I

AB 5-Isothiocyanato-1,3-dioxo-2-p-tolyl-2,3-dihydro-1H-benz[de]isoquinoline (=5-isothiocyanato-1,8-naphthalenedicarbox-4-methylphenylimide) (I) was synthesized from 1H,3H-naphtho[1,8-cd]pyran-1,3-dione (=1.8-naphthalenedicarboxylic anhydride) through nitration, condensation with p-toluidine, reduction with SnCl2 yielding 5-amino-1,3-dioxo-2-p-tolyl-2,3-dihydro-1H-benz[de]isoquinoline as intermediate, and condensation with thiophosgene. I can be used for qual. and quant. analyses of compds. containing amino groups, including amino acids, amines, and proteins.
AN 1977:401943 CAPLUS
DN **87:1943**
TI 5-Isothiocyanato-1,8-naphthalenedicarboxy-4-methylphenylimide, a new fluorescence reagent for compounds containing amino groups
AU Khalaf, Hosni; Rimpler, Manfred
CS Inst. Klin. Biochem. Physiol. Chem., Med. Hochsch. Hannover, Hannover, Fed. Rep. Ger.

10/14/05

SO Hoppe-Seyler's Zeitschrift fuer Physiologische Chemie (1977), 358(4), 505-11
CODEN: HSZPAZ; ISSN: 0018-4888
DT Journal
LA German
OS CASREACT 87:1943

L10 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2005 ACS on STN
AB Title only translated.
AN 1977:155621 CAPLUS
DN **86:155621**
TI Synthesis and study of cyclic hydrazides and N-aminoamides of naphthalic acid and its derivatives
AU Krasovitskii, B. M.; Ostis, L. L.; Shevchenko, E. A.; Nesterkina, I. G.; Isadzhanyan, V. I.
CS USSR
SO Stsintillyatory i Organ. Lyuminofory (1975), (4), 5-15
From: Ref. Zh., Khim. 1976, Abstr. No. 22Zh273
DT Journal
LA Russian
OS CASREACT 86:155621

=> file registry

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for details.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

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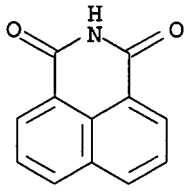
=> s naphthalimide/cn
L11 1 NAPHTHALIMIDE/CN

=> d

L11 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN
RN 81-83-4 REGISTRY
ED Entered STN: 16 Nov 1984
CN 1H-Benz[de]isoquinoline-1,3(2H)-dione (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN **Naphthalimide (6CI, 7CI, 8CI)**
OTHER NAMES:
CN 1,8-Naphthalenedicarboximide
CN 1,8-Naphthalenedicarboxylic acid imide
CN 1,8-Naphthalimide
CN NSC 11011
FS 3D CONCORD
MF C12 H7 N O2
CI COM
LC STN Files: BEILSTEIN*, BIOBUSINESS, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CEN, CHEMCATS, CHEMLIST, CIN, CSCHEM, HODOC*, IFICDB, IFIPAT, IFIUDB, PIRA, PROMT, SPECINFO, SYNTHLINE, TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: EINECS**, NDSL**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)



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105 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
392 REFERENCES IN FILE CAPLUS (1907 TO DATE)
13 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

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5909 DIAMMONIUM
L12 0 L11 AND DIAMMONIUM

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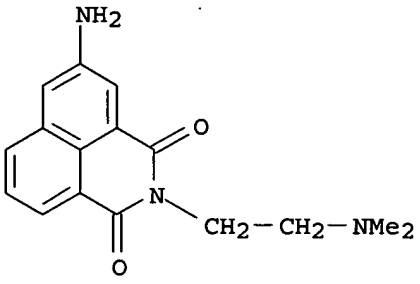

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100 REFERENCES IN FILE CA (1907 TO DATE)
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100 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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L2            0 MITONFIDE/CN

=> s mitonafide/cn
L3            1 MITONAFIDE/CN

=> d

L3   ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2005 ACS on STN
RN   54824-17-8  REGISTRY
ED   Entered STN:  16 Nov 1984
CN   1H-Benz[de]isoquinoline-1,3(2H)-dione, 2-[2-(dimethylamino)ethyl]-5-nitro-
     (9CI)  (CA INDEX NAME)
OTHER NAMES:
CN   3-Nitro-N-(2-dimethylaminoethyl)-1,8-naphthalimide
CN   M 4212
CN   M 4212 (pharmaceutical)
CN   Mitonafide
CN   NSC 300288
FS   3D CONCORD
MF   C16 H15 N3 O4
CI   COM
LC   STN Files:   ADISINSIGHT, ADISNEWS, BEILSTEIN*, BIOBUSINESS, BIOSIS,
       BIOTECHNO, CA, CANCERLIT, CAPLUS, CASREACT, DDFU, DRUGU, EMBASE, IFICDB,
       IFIPAT, IFIUDB, IMSRESEARCH, IPA, MEDLINE, PHAR, PROUSDDR, RTECS*,
       SCISEARCH, TOXCENTER, USAN, USPATFULL
         (*File contains numerically searchable property data)
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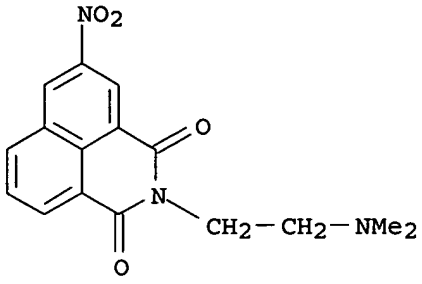

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2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
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